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(71) Applicant (for all designated States except US): **BRACCO IMAGING SPA** [IT/IT]; Via Egidio Folli 50, I-20134 Milano (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CALABI, Luisella** [IT/IT]; Bracco Imaging SpA, Via Egidio Folli, 50, I-20134 Milano (IT). **ALFIERI, Goffredo** [IT/IT]; Bracco Imaging SpA, Via Egidio Folli, 50, 20134 Milano (IT). **BIONDI, Luca** [IT/IT]; Bracco Imaging SpA, Via Egidio Folli, 50, I-20134 Milano (IT). **DEMIRANDA, Mario** [IT/IT]; Bracco Imaging SpA, Via Egidio Folli, 50, 20134 Milano (IT). **PALEARI, Lino** [IT/IT]; Bracco Imaging SpA, Via Egidio Folli, 50, I-20134 Milano (IT). **GHELLI, Stefano** [IT/IT]; Bracco Imaging SpA, Via Egidio Folli, 50, I-20134 Milano (IT).

(74) Agent: **POLETTI, Marco**; Via Egidio Folli, 50, I-20134 Milano (IT).

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(54) Title: METHOD FOR THE IN VITRO DETERMINATION OF CELLULAR UPTAKE OF EXOGENOUS AND ENDOGENOUS SUBSTANCES USING NMR SHIFT AGENTS AND THE MAGIC ANGLE NMR TECHNIQUE

(57) Abstract: The present invention relates to a method for the in vitro quantitative determination of cellular uptake of exogenous or endogenous substances which method comprises applying MAS-NMR spectroscopy technique to an in vitro cellular sample, in combination with a shift agent. The said method is particularly advantageous as it finds general applicability for a variety of substances and cell samples.

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